

COMPLETE LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-5 (canceled)

6. (currently amended) A flexible graphite sheet comprising a compressed mass of expanded graphite particles, the expanded graphite particles formed from graphite flake sized such that no more than about 30% by weight remain on an 80 +80 mesh screen prior to expansion.

7. (original) The flexible graphite sheet of claim 6 wherein the graphite flake is sized at least about 50% by weight 80 x 140 mesh prior to expansion.

8. (original) The flexible graphite sheet of claim 7 wherein the graphite flake has a moisture content of no greater than about 1.0% prior to expansion.

9. (original) The flexible graphite sheet of claim 8 which further comprises a plurality of transverse fluid channels formed in the compressed sheet at a plurality of predetermined locations.

10. (original) The flexible graphite sheet of claim 8 which further comprises at least one groove formed in at least one of the surfaces of the sheet by mechanically impacting an opposed surface of the sheet.

11. (withdrawn) A membrane electrode assembly comprising a pair of electrodes and an ion exchange membrane positioned between the electrodes, at least one of the electrodes being formed of a sheet of a compressed mass of expanded

graphite particles, the expanded graphite particles formed from graphite flake sized no more than about 30% by weight +80 mesh prior to expansion.

12. (withdrawn) The assembly of claim 11 wherein the graphite flake is sized at least about 50% by weight 80 x 140 mesh prior to expansion.

13. (withdrawn) The assembly of claim 12 wherein the graphite flake has a moisture content of no greater than about 1.0% prior to expansion.

14. (withdrawn) The assembly of claim 11 which further comprises a plurality of transverse fluid channels formed in the compressed sheet at a plurality of predetermined locations.

15. (withdrawn) The assembly of claim 11 which further comprises at least one groove formed in at least one of the surfaces of the sheet by mechanically impacting an opposed surface of the sheet.

16. (currently amended) A sealing gasket formed of a flexible roll-pressed sheet of expanded natural graphite the expanded graphite particles formed from graphite flake sized such that no more than about 30% by weight remain on an 80 +80 mesh screen prior to expansion.

17. (original) The gasket of claim 16 wherein the graphite flake is sized at least about 50% by weight 80 x 140 mesh prior to expansion.

18. (original) The gasket of claim 17 wherein the graphite flake has a moisture content of no greater than about 1.0% prior to expansion.

19. (original) The gasket of claim 16 which further comprises a plurality of transverse fluid channels formed in the compressed sheet at a plurality of predetermined locations.

20. (original) The gasket of claim 16 which further comprises at least one groove formed in at least one of the surfaces of the sheet by mechanically impacting an opposed surface of the sheet.

21. (previously presented) A flexible graphite sheet comprising a compressed mass of expanded graphite particles, the expanded graphite particles formed from graphite flake sized that at least 70% of said flake by weight passes through an 80 mesh screen prior to expansion.

22. (previously presented) The flexible graphite sheet of claim 21 wherein the graphite flake sized at least about 50% by weight 80 x 140 mesh prior to expansion.

23. (previously presented) The flexible graphite sheet of claim 21 wherein the graphite flake has a moisture content of no greater than about 1.0% prior to expansion.

24. (previously presented) The flexible graphite sheet of claim 21 which further comprises a plurality of transverse fluid channels formed in the compressed sheet at a plurality of predetermined locations.

25. (previously presented) The flexible graphite sheet of claim 21 which further comprises at least one groove formed in at least one of the surfaces of the sheet by mechanically impacting an opposed surface of the sheet.